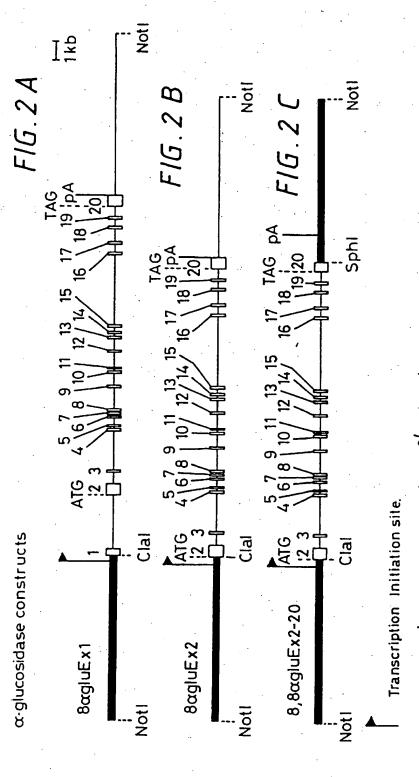


HOOFSHOO LOYHOOD



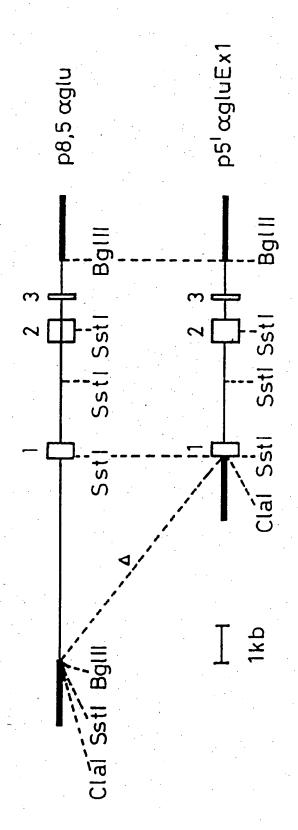
The boxes represent the exons in the  $\alpha\text{--}glucosidase$  sequence, the thin line represents the intron sequences.  $\alpha_{\rm S1}$  casein sequence, promoter or  $3^{\rm I}$  untranslated region.

The numbers above the boxes are the exon numbers pA = polyadenylation signal.

ATG = translation initiation site.

TAG = translation stop codon

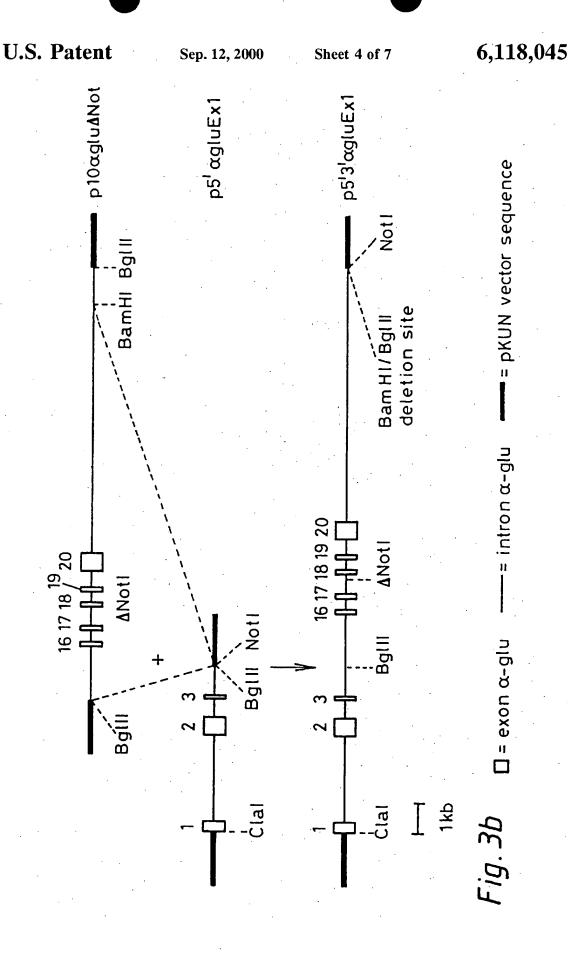


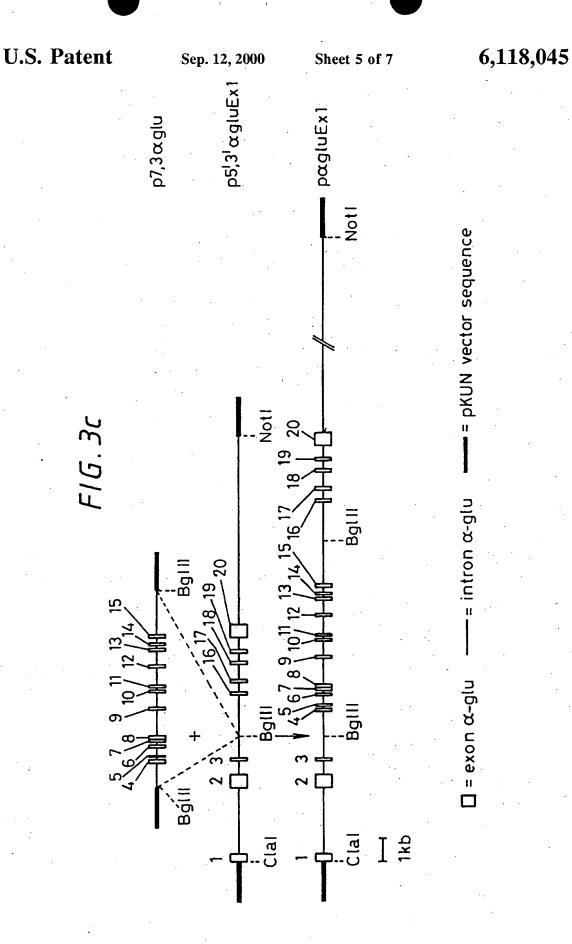


= pKUN vector sequence

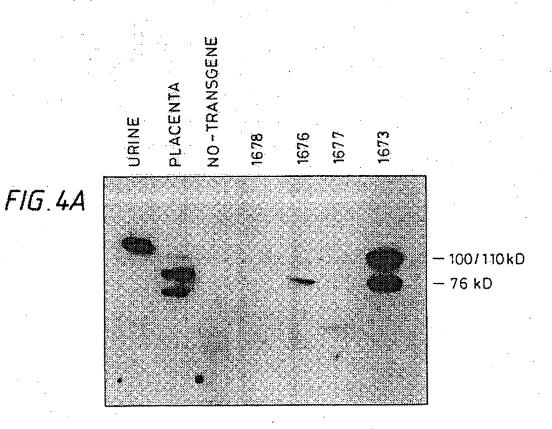
= intron  $\alpha$ -glu

 $\Box = exon \alpha - glu$ 









U.S. Patent

Sep. 12, 2000

Sheet 7 of 7

6,118,045

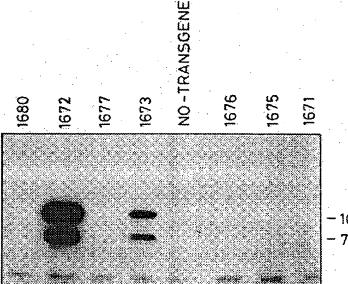


FIG.4B

-100/110kD

- 76 kD